



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2009
Code: 12151556
SAU: MSAD 21
School: T W Kelly Dirigo Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9
Science Results	10-12

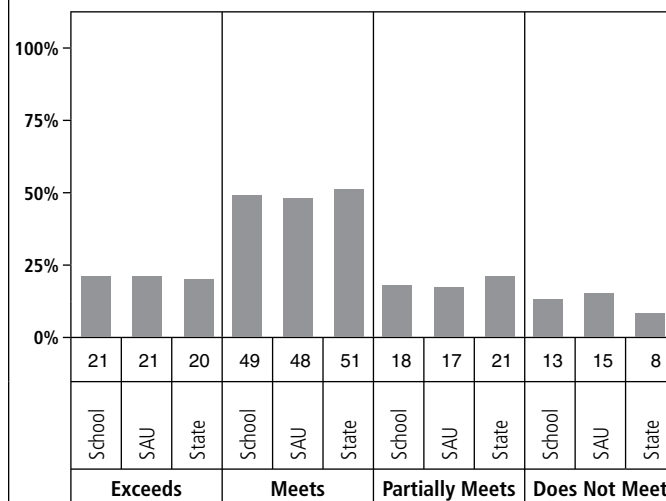
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: MSAD 21
School: T W Kelly Dirigo Middle School

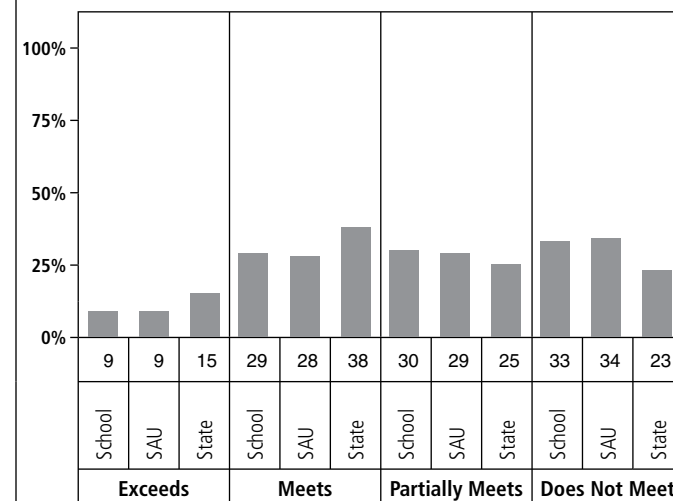
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	847	847	847
2007–2008	848	848	849
2008–2009	849	848	850
Cum. Avg.*	848	848	849
Mathematics			
2006–2007	834	834	842
2007–2008	835	835	841
2008–2009	837	836	843
Cum. Avg.*	835	835	842
Science			
2008–2009 **	845	844	846

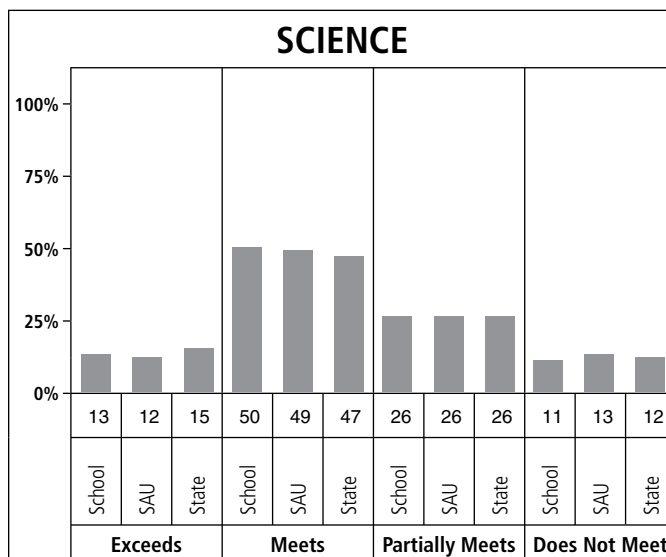
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

** Because science standards were reset in May 2009, no historical data are available

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 8
SAU: MSAD 21
School: T W Kelly Dirigo Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	81	100	83	100	14804	100	80	99	82	99	14659	99	80	99	82	99	14653	99	80	99	82	99	14626	99
Ethnicity African American/Black	1	1	1	1	377	3	1	100	1	100	366	97	1	100	1	100	371	98	1	100	1	100	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	1	1	1	1	238	2	1	100	1	100	232	97	1	100	1	100	234	98	1	100	1	100	234	98
Hispanic	1	1	1	1	192	1	1	100	1	100	188	98	1	100	1	100	191	100	1	100	1	100	190	99
Caucasian/White	78	96	80	96	13878	94	77	99	79	99	13756	99	77	99	79	99	13742	99	77	99	79	99	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	16	20	18	22	2489	17	16	100	18	100	2434	99	16	100	18	100	2424	98	16	100	18	100	2418	98
Current LEP	1	1	1	1	349	2	1	100	1	100	331	95	1	100	1	100	342	98	1	100	1	100	338	97
Economically disadvantaged	31	38	32	39	5460	37	31	100	32	100	5380	99	31	100	32	100	5377	99	31	100	32	100	5359	98
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	58	72	60	72	12132	82	58	72	60	72	12124	82	58	72	60	72	12169	82
Identified disability (PET/IEP)	2	3	4	7	379	3	2	3	4	7	380	3	2	3	4	7	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	0	0	0	0	200	2	0	0	0	0	200	2	0	0	0	0	202	2
Participation with accommodations	22	27	22	27	2349	16	22	27	22	27	2347	16	22	27	22	27	2288	15
Identified disability (PET/IEP)	14	64	14	64	1877	80	14	64	14	64	1862	79	14	64	14	64	1824	80
LEP	1	5	1	5	158	7	1	5	1	5	167	7	1	5	1	5	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	8	36	8	36	292	12	8	36	8	36	297	13	8	36	8	36	280	12
Participation through alternate assessment (PAAP)	0	0	0	0	178	1	0	0	0	0	182	1	0	0	0	0	169	1
Identified disability (PET/IEP)	0	0	0	0	178	100	0	0	0	0	182	100	0	0	0	0	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
Non-participation – other	1	1	1	1	113	1	1	1	1	1	117	1	1	1	1	1	140	1

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 8
SAU: MSAD 21
School: T W Kelly Dirigo Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	15	23	15	23	2407	16
	2007-2008	13	18	13	18	3428	23
	2008-2009	17	21	17	21	2857	20
	Cum. Total*	45	21	45	20	8692	19
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	24	36	24	36	7494	49
	2007-2008	40	55	40	55	7179	48
	2008-2009	39	49	39	48	7431	51
	Cum. Total*	103	47	103	47	22104	49
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	18	27	18	27	3628	24
	2007-2008	11	15	11	15	2706	18
	2008-2009	14	18	14	17	2979	21
	Cum. Total*	43	20	43	19	9313	21
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	9	14	9	14	1810	12
	2007-2008	9	12	9	12	1611	11
	2008-2009	10	13	12	15	1214	8
	Cum. Total*	28	13	30	14	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	34.9	62.3	34.3	61.3	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	12.0	60.0	11.9	59.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	22.9	63.6	22.4	62.2	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 8
SAU: MSAD 21
School: T W Kelly Dirigo Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	80	17	21	39	49	14	18	10	13	849	82	21	48	17	15	848	14481	20	51	21	8	850
Ethnicity																						
African American/Black	1										1						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	1										1						231	28	43	19	10	851
Hispanic	1										1						186	17	48	23	12	847
Caucasian/White	77	17	22	39	51	13	17	8	10	850	79	22	49	16	13	849	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	16	0	0	3	19	3	19	10	63	830	18	0	17	17	67	828	2256	2	25	40	34	834
No	64	17	27	36	56	11	17	0	0	854	64	27	56	17	0	854	12225	23	56	17	4	853
Current LEP																						
Yes	1										1						324	5	34	36	26	838
No	79	17	22	39	49	14	18	9	11	850	81	21	48	17	14	849	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	31	5	16	12	39	7	23	7	23	845	32	16	38	22	25	844	5277	10	46	29	15	844
No	49	12	24	27	55	7	14	3	6	852	50	24	54	14	8	851	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	80	17	21	39	49	14	18	10	13	849	82	21	48	17	15	848	14476	20	51	21	8	850
Gender																						
Female	37	11	30	20	54	2	5	4	11	853	37	30	54	5	11	853	7074	25	51	18	6	852
Male	43	6	14	19	44	12	28	6	14	846	45	13	42	27	18	844	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	14	1	7	7	50	6	43	0	0	845	14	7	50	43	0	845	857	9	43	35	14	843
No	66	16	24	32	48	8	12	10	15	850	68	24	47	12	18	849	13624	20	52	20	8	850
Gifted/talented program																						
Yes	7	7	100	0	0	0	0	0	0	875	7	100	0	0	0	875	700	69	30	1	0	867
No	73	10	14	39	53	14	19	10	14	847	75	13	52	19	16	846	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: MSAD 21
School: T W Kelly Dirigo Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	8	0	0	2	33	3	50	1	17	837	9	0	29	43	29	834	8	8	39	29	24	841
B. less than one hour	51	10	24	25	61	5	12	1	2	854	51	24	61	12	2	854	51	17	53	22	8	849
C. one to two hours	34	6	22	9	33	5	19	7	26	845	33	22	33	19	26	845	36	24	52	18	5	852
D. more than two hours	8	1	17	3	50	1	17	1	17	849	7	17	50	17	17	849	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	39	13	42	13	42	3	10	2	6	857	38	42	42	10	6	857	31	35	50	11	4	856
B. good	39	3	10	16	52	7	23	5	16	846	40	9	50	22	19	845	47	16	55	21	7	849
C. fair	20	1	6	10	63	2	13	3	19	842	20	6	63	13	19	842	18	5	47	33	15	842
D. poor	3	0	0	0	0	2	100	0	0	838	2	0	0	100	0	838	3	2	39	37	22	839
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	39	8	26	17	55	2	6	4	13	853	38	26	55	6	13	853	32	27	54	14	5	853
B. They match some of what I have learned.	50	8	20	20	50	9	23	3	8	849	51	20	49	22	10	848	52	18	53	22	8	850
C. They match just a little of what I have learned.	10	1	13	2	25	3	38	2	25	840	10	13	25	38	25	840	12	11	45	29	15	844
D. There is no match.	1	0	0	0	0	0	0	1	100	828	1	0	0	0	100	828	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	11	2	22	2	22	1	11	4	44	840	12	20	20	10	50	837	15	13	42	28	17	844
B. about the same as my regular schoolwork	76	11	18	34	56	10	16	6	10	850	75	18	56	16	10	850	64	19	53	20	7	850
C. easier than my regular schoolwork	13	4	40	3	30	3	30	0	0	856	12	40	30	30	0	856	22	25	52	16	6	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	5	0	0	2	50	1	25	1	25	837	6	0	40	20	40	832	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	60	7	15	24	51	10	21	6	13	848	59	15	51	21	13	848	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	35	10	37	13	48	2	7	2	7	855	34	37	48	7	7	855	40	30	53	13	4	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	51	6	15	20	50	7	18	7	18	846	50	15	50	18	18	846	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	47	11	30	17	46	7	19	2	5	853	46	30	46	19	5	853	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	3	0	0	1	50	0	0	1	50	840	4	0	33	0	67	832	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	29	5	22	17	74	0	0	1	4	855	28	22	74	0	4	855	19	26	53	15	6	853
B. 20 minutes to an hour	34	10	37	9	33	3	11	5	19	853	35	36	32	11	21	851	40	25	52	17	6	852
C. less than 20 minutes	14	1	9	5	45	4	36	1	9	844	14	9	45	36	9	844	15	18	51	21	10	849
D. I rarely read at home.	24	1	5	8	42	7	37	3	16	841	23	5	42	37	16	841	26	7	50	30	13	844
How do you feel about the following statement? "My knowledge of reading will be useful to me as an adult."																						
A. strongly agree	48	12	32	15	39	5	13	6	16	852	47	32	39	13	16	852	42	27	51	15	6	853
B. agree	46	5	14	21	57	8	22	3	8	848	47	13	55	21	11	847	50	15	53	23	9	848
C. disagree	5	0	0	2	50	1	25	1	25	838	5	0	50	25	25	838	7	8	46	32	14	843
D. strongly disagree	1	0	0	1	100	0	0	0	0	848	1	0	100	0	0	848	2	6	39	35	21	840
Optional school/SAU question																						
A.	33	0	0	0	0	1	100	0	0	840	33	0	0	100	0	840						
B.	33	0	0	0	0	0	0	1	100	824	33	0	0	0	100	824						
C.	33	0	0	0	0	1	100	0	0	840	33	0	0	100	0	840						
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 8
SAU: MSAD 21
School: T W Kelly Dirigo Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	5	8	5	8	1952	13
	2007-2008	2	3	2	3	1657	11
	2008-2009	7	9	7	9	2116	15
	Cum. Total*	14	6	14	6	5725	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	16	24	16	24	5870	38
	2007-2008	23	32	23	32	5956	40
	2008-2009	23	29	23	28	5443	38
	Cum. Total*	62	28	62	28	17269	39
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	14	21	14	21	3982	26
	2007-2008	26	36	26	36	3729	25
	2008-2009	24	30	24	29	3556	25
	Cum. Total*	64	29	64	29	11267	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	31	47	31	47	3534	23
	2007-2008	22	30	22	30	3579	24
	2008-2009	26	33	28	34	3356	23
	Cum. Total*	79	36	81	37	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	25.0	44.6	24.6	43.9	28.6	51.1
A. Number	8	14	2.8	35.0	2.8	35.0	3.7	46.3
B. Data	16	29	8.1	50.6	7.9	49.4	8.9	55.6
C. Geometry	12	21	3.8	31.7	3.8	31.7	5.0	41.7
D. Algebra	20	36	10.3	51.5	10.1	50.5	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: MSAD 21
 School: T W Kelly Dirigo Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	80	7	9	23	29	24	30	26	33	837	82	9	28	29	34	836	14471	15	38	25	23	843
Ethnicity																						
African American/Black	1										1						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	1										1						233	27	33	20	21	847
Hispanic	1										1						190	8	31	26	34	836
Caucasian/White	77	7	9	23	30	23	30	24	31	838	79	9	29	29	33	837	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	16	0	0	0	0	4	25	12	75	817	18	0	0	22	78	815	2242	2	12	22	63	824
No	64	7	11	23	36	20	31	14	22	842	64	11	36	31	22	842	12229	17	42	25	16	846
Current LEP																						
Yes	1										1						336	6	18	26	51	829
No	79	7	9	23	29	24	30	25	32	837	81	9	28	30	33	836	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	31	1	3	10	32	6	19	14	45	832	32	3	31	19	47	831	5270	6	30	28	36	835
No	49	6	12	13	27	18	37	12	24	840	50	12	26	36	26	839	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	80	7	9	23	29	24	30	26	33	837	82	9	28	29	34	836	14466	15	38	25	23	843
Gender																						
Female	37	3	8	12	32	13	35	9	24	839	37	8	32	35	24	839	7070	15	39	25	22	843
Male	43	4	9	11	26	11	26	17	40	835	45	9	24	24	42	833	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	14	0	0	2	14	7	50	5	36	831	14	0	14	50	36	831	857	5	25	33	37	835
No	66	7	11	21	32	17	26	21	32	838	68	10	31	25	34	837	13614	15	38	24	22	843
Gifted/talented program																						
Yes	7	3	43	4	57	0	0	0	0	866	7	43	57	0	0	866	700	68	27	3	1	866
No	73	4	5	19	26	24	33	26	36	834	75	5	25	32	37	833	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: MSAD 21
School: T W Kelly Dirigo Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	8	0	0	2	33	1	17	3	50	831	9	0	29	14	57	826	8	8	24	24	44	833
B. less than one hour	51	5	12	16	39	11	27	9	22	844	51	12	39	27	22	844	51	12	38	26	23	842
C. one to two hours	34	1	4	5	19	10	37	11	41	828	33	4	19	37	41	828	36	19	40	23	19	845
D. more than two hours	8	1	17	0	0	2	33	3	50	834	7	17	0	33	50	834	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	21	5	29	7	41	3	18	2	12	852	21	29	41	18	12	852	28	33	41	15	11	852
B. good	43	2	6	12	35	11	32	9	26	838	43	6	34	31	29	836	45	11	43	25	21	842
C. fair	28	0	0	4	18	8	36	10	45	830	27	0	18	36	45	830	21	3	27	35	35	834
D. poor	9	0	0	0	0	2	29	5	71	818	9	0	0	29	71	818	5	2	14	30	54	828
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	16	4	31	4	31	0	0	5	38	846	16	31	31	0	38	846	28	23	41	21	15	848
B. They match some of what I have learned.	55	3	7	15	34	14	32	12	27	838	54	7	34	32	27	838	52	13	40	25	21	843
C. They match just a little of what I have learned.	25	0	0	4	20	10	50	6	30	833	25	0	20	50	30	833	16	8	28	30	34	836
D. There is no match.	4	0	0	0	0	0	0	3	100	808	5	0	0	0	100	806	4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	49	0	0	10	26	14	36	15	38	832	48	0	26	36	38	832	32	6	34	29	32	837
B. about the same as my regular schoolwork	49	7	18	11	28	10	26	11	28	841	49	18	28	25	30	840	52	13	41	25	20	843
C. easier than my regular schoolwork	3	0	0	2	100	0	0	0	0	848	2	0	100	0	0	848	16	39	35	13	13	853
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	53	3	7	8	19	15	36	16	38	834	52	7	19	36	38	834	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	44	4	11	14	40	8	23	9	26	841	43	11	40	23	26	841	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	4	0	0	1	33	1	33	1	33	836	5	0	25	25	50	827	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	39	1	3	10	32	11	35	9	29	837	38	3	32	35	29	837	34	18	40	22	20	845
B. two or three days a week	41	3	9	9	27	12	36	9	27	838	42	9	26	35	29	836	35	14	38	26	21	843
C. two or three times each month	13	3	30	3	30	1	10	3	30	848	12	30	30	10	30	848	18	12	37	27	24	841
D. never or almost never	8	0	0	1	17	0	0	5	83	815	7	0	17	0	83	815	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	26	2	10	9	43	3	14	7	33	838	27	9	41	14	36	837	9	13	38	23	26	841
B. two or three days a week	44	5	14	9	26	17	49	4	11	843	43	14	26	49	11	843	17	11	37	26	26	841
C. two or three times each month	21	0	0	4	24	4	24	9	53	829	21	0	24	24	53	829	28	15	40	25	20	844
D. never or almost never	9	0	0	1	14	0	0	6	86	819	9	0	14	0	86	819	46	16	36	24	23	843
How do you feel about the following statement? "My knowledge of mathematics will be useful to me as an adult."																						
A. strongly agree	38	4	13	11	37	6	20	9	30	841	37	13	37	20	30	841	52	19	41	22	18	846
B. agree	51	2	5	10	24	16	39	13	32	835	52	5	24	38	33	834	39	11	35	27	27	840
C. disagree	9	1	14	2	29	2	29	2	29	838	9	14	29	29	29	838	6	7	28	26	39	835
D. strongly disagree	3	0	0	0	0	0	0	2	100	808	2	0	0	0	100	808	3	4	25	28	43	832
Optional school/SAU question																						
A.	33	0	0	0	0	1	100	0	0	832	33	0	0	100	0	832						
B.	33	0	0	0	0	0	0	1	100	800	33	0	0	0	100	800						
C.	33	0	0	0	0	1	100	0	0	832	33	0	0	100	0	832						
D.	0										0											

SCIENCE RESULTS

Test Date: March 2009
Grade: 8
SAU: MSAD 21
School: T W Kelly Dirigo Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	10	13	10	12	2155	15
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	40	50	40	49	6687	47
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	21	26	21	26	3672	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	9	11	11	13	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	56	100	31.5	56.3	30.9	55.2	32.0	57.1
D. The Physical Setting	31	55	16.1	51.9	15.8	51.0	17.1	55.2
D1/D2 Earth/Space	17	30	9.1	53.5	8.9	52.4	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	14	25	7.1	50.7	6.9	49.3	7.7	55.0
E. The Living Environment	25	45	15.4	61.6	15.1	60.4	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: MSAD 21
 School: T W Kelly Dirigo Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	80	10	13	40	50	21	26	9	11	845	82	12	49	26	13	844	14263	15	47	26	12	846
Ethnicity																						
African American/Black	1										1						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	1										1						230	20	44	23	13	848
Hispanic	1										1						184	9	45	29	16	842
Caucasian/White	77	10	13	39	51	20	26	8	10	845	79	13	49	25	13	844	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	16	0	0	2	13	6	38	8	50	828	18	0	11	33	56	825	2221	3	22	36	38	832
No	64	10	16	38	59	15	23	1	2	850	64	16	59	23	2	850	12042	17	51	24	7	848
Current LEP																						
Yes	1										1						331	4	20	39	37	832
No	79	10	13	40	51	21	27	8	10	845	81	12	49	26	12	844	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	31	2	6	10	32	12	39	7	23	839	32	6	31	38	25	838	5184	6	40	33	21	840
No	49	8	16	30	61	9	18	2	4	849	50	16	60	18	6	848	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	80	10	13	40	50	21	26	9	11	845	82	12	49	26	13	844	14258	15	47	26	12	846
Gender																						
Female	37	3	8	23	62	8	22	3	8	845	37	8	62	22	8	845	6953	14	47	28	11	846
Male	43	7	16	17	40	13	30	6	14	845	45	16	38	29	18	843	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	14	0	0	8	57	5	36	1	7	841	14	0	57	36	7	841	828	5	35	40	20	839
No	66	10	15	32	48	16	24	8	12	846	68	15	47	24	15	845	13435	16	48	25	12	846
Gifted/talented program																						
Yes	7	6	86	1	14	0	0	0	0	867	7	86	14	0	0	867	699	65	34	2	0	865
No	73	4	5	39	53	21	29	9	12	843	75	5	52	28	15	842	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: MSAD 21
School: T W Kelly Dirigo Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	8	0	0	3	50	2	33	1	17	838	9	0	43	29	29	833	8	8	34	28	30	837
B. less than one hour	51	9	22	22	54	8	20	2	5	851	51	22	54	20	5	851	51	14	48	27	11	846
C. one to two hours	34	1	4	11	41	9	33	6	22	838	33	4	41	33	22	838	36	19	48	24	9	848
D. more than two hours	8	0	0	4	67	2	33	0	0	847	7	0	67	33	0	847	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	28	4	18	12	55	5	23	1	5	851	27	18	55	23	5	851	23	27	47	17	8	851
B. good	55	6	14	23	52	11	25	4	9	845	56	13	51	24	11	844	53	15	50	26	10	847
C. fair	16	0	0	5	38	4	31	4	31	835	16	0	38	31	31	835	20	4	43	35	18	840
D. poor	1	0	0	0	0	1	100	0	0	836	1	0	0	100	0	836	4	4	27	34	35	834
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	29	3	13	8	35	9	39	3	13	844	28	13	35	39	13	844	26	20	49	23	9	849
B. They match some of what I have learned.	59	5	11	29	62	9	19	4	9	847	58	11	62	19	9	847	51	14	48	26	11	846
C. They match just a little of what I have learned.	11	2	22	3	33	3	33	1	11	844	12	20	30	30	20	840	18	13	44	28	15	844
D. There is no match.	1	0	0	0	0	0	0	1	100	812	1	0	0	0	100	812	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	25	4	20	7	35	5	25	4	20	845	25	20	35	25	20	845	32	13	45	28	14	844
B. about the same as my regular schoolwork	68	5	9	30	56	14	26	5	9	845	68	9	56	26	9	845	56	15	49	25	11	847
C. easier than my regular schoolwork	6	1	20	3	60	1	20	0	0	852	8	17	50	17	17	844	11	21	43	22	13	847
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	37	2	7	16	55	8	28	3	10	845	36	7	55	28	10	845	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	62	8	16	24	49	12	24	5	10	846	63	16	48	24	12	845	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	1	0	0	0	0	1	100	0	0	836	1	0	0	100	0	836	6	8	36	29	26	839
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	18	3	21	9	64	1	7	1	7	853	17	21	64	7	7	853	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	25	0	0	10	50	7	35	3	15	839	25	0	50	35	15	839	23	17	49	22	12	847
C. the course(s) described in B, plus physics	16	6	46	3	23	3	23	1	8	854	17	43	21	21	14	850	21	31	44	17	7	852
D. a life science and physical science class	41	1	3	18	55	10	30	4	12	842	41	3	55	30	12	842	30	7	46	32	14	842
How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."																						
A. strongly agree	28	5	23	11	50	5	23	1	5	850	27	23	50	23	5	850	27	23	47	20	10	849
B. agree	36	3	10	18	62	4	14	4	14	845	37	10	60	13	17	843	37	14	47	27	12	846
C. disagree	34	2	7	11	41	12	44	2	7	843	33	7	41	44	7	843	25	11	48	29	12	845
D. strongly disagree	3	0	0	0	0	0	0	2	100	819	2	0	0	0	100	819	11	9	44	31	17	842
How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."																						
A. strongly agree	33	3	12	14	54	7	27	2	8	848	32	12	54	27	8	848	31	22	46	22	10	849
B. agree	55	6	14	22	50	10	23	6	14	845	54	14	50	23	14	845	50	14	49	26	11	846
C. disagree	11	1	11	4	44	3	33	1	11	841	12	10	40	30	20	837	14	9	45	31	15	843
D. strongly disagree	1	0	0	0	0	1	100	0	0	838	1	0	0	100	0	838	5	3	38	34	25	837
Optional school/SAU question																						
A.	33	0	0	1	100	0	0	0	0	842	33	0	100	0	0	842						
B.	33	0	0	0	0	0	0	1	100	808	33	0	0	0	100	808						
C.	33	0	0	1	100	0	0	0	0	842	33	0	100	0	0	842						
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number